



Final Product/Process Change Notification

Document #:FPCN24628X

Issue Date:08 Aug 2022

Title of Change:	NB3RL02FCT2G Capacity Expansion into Aizu Fab.																												
Proposed First Ship date:	15 Nov 2022 or earlier if approved by customer																												
Contact Information:	Contact your local onsemi Sales Office or Jonathan.Bass@onsemi.com																												
PCN Samples Contact:	Contact your local onsemi Sales Office. Sample requests are to be submitted no later than 30 days from the date of first notification, Initial PCN or Final PCN, for this change. Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements.																												
Additional Reliability Data:	Contact your local onsemi Sales Office or Joe.Chapple@onsemi.com																												
Type of Notification:	This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change. onsemi will consider this change accepted, unless an inquiry is made in writing within 30 days of delivery of this notice. To do so, contact PCN.Support@onsemi.com																												
Marking of Parts/ Traceability of Change:	No change in marking, after release, parts can come from either fab. Shipping label will identify fab location.																												
Change Category:	Wafer Fab Change																												
Change Sub-Category(s):	Manufacturing Site Addition																												
Sites Affected:																													
onsemi Sites		External Foundry/Subcon Sites																											
onsemi Aizu, Japan		None																											
Description and Purpose:																													
<table border="1"><thead><tr><th></th><th>From</th><th>To</th></tr></thead><tbody><tr><td>Fab Site</td><td>onsemi, Gresham</td><td>onsemi, Gresham and onsemi, Aizu</td></tr></tbody></table>						From	To	Fab Site	onsemi, Gresham	onsemi, Gresham and onsemi, Aizu																			
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There are no product material changes as a result of this change.																													
There is no product marking change as a result of this change.																													
Reliability Data Summary:																													
QV DEVICE NAME: NB3RL02FCT2G																													
RMS: S80925																													
PACKAGE: WLCSP8																													
<table border="1"><thead><tr><th>Test</th><th>Specification</th><th>Condition</th><th>Interval</th><th>Results</th></tr></thead><tbody><tr><td>HTSL</td><td>JESD22-A103</td><td>Ta= 150°C</td><td>1008 hrs</td><td>0/84</td></tr><tr><td>TC</td><td>JESD22-A104</td><td>Ta= -40°C to +125°C</td><td>850 cyc</td><td>0/84</td></tr><tr><td>UHASt</td><td>JESD22-A118</td><td>130°C, 85% RH, 18.8psig, unbiased</td><td>96 hrs</td><td>0/84</td></tr><tr><td>PC</td><td>J-STD-020 JESD-A113</td><td>MSL 1 @ 260 °C</td><td>5x reflow</td><td>0/84</td></tr></tbody></table>					Test	Specification	Condition	Interval	Results	HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/84	TC	JESD22-A104	Ta= -40°C to +125°C	850 cyc	0/84	UHASt	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/84	PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C	5x reflow	0/84
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Electrical Characteristics Summary:

Electrical characteristics are not impacted.

List of Affected Parts:

Note: Only the standard (off the shelf) part numbers are listed in the parts list. Any custom parts affected by this PCN are shown in the customer specific PCN addendum in the PCN email notification, or on the [PCN Customized Portal](#).

Part Number	Qualification Vehicle
NB3RL02FCT2G	NB3RL02FCT2G